



Express Mail Label: EV 394059685 US

Attorney Docket No.: ATV-005
[E0243-00014]

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: Stanley Yamane et al.

Confirmation No. 5919

Serial No.: 09/376,017

Group Art Unit: 2157

Filed: August 19, 1999

Examiner: Abdullahi E. Salad

For: WEB SERVER CONTENT REPLICATION

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March 21, 2005
Date Steven E. Koffs
Steven E. Koffs, Registration No. 37,163

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed herewith is an Information Disclosure Statement pursuant to 37 CFR. § 1.56 in connection with the above-identified application, which statement is being filed:

- ☒ [X] Together with the Request for Continuing Examination.
- ☐ [] Before the first Office Action on the merits or three (3) months from the filing date of this application, whichever occurs last. [37 CFR § 1.97(b)]
- ☐ [] After the first Office Action on the merits, but before a Final Office Action under §1.113 or Notice of Allowance under §1.311, whichever occurs first. [37 CFR § 1.97(c)]
- ☐ [] After a Final Office Action under §1.113 or Notice of Allowance under §1.311, but prior to or with payment of the Issue Fee. [37 CFR § 1.97(d)]

Consistent with Applicant's obligations pursuant to 37 CFR §§1.97 and 1.98, the following requirements have been met:

☒ No separate requirements are needed.

☒ No additional fee is required.

☐ **Fee Under 37 CFR § 1.97(c)**

The fee of \$180.00 for submission of an IDS under § 1.97(c) as set forth in § 1.17(p) accompanies this statement.

☐ **Fee Under 37 CFR § 1.97(d)**

The fee of \$180.00 for submission of an information disclosure statement under § 1.97(d) set forth in § 1.17(p) accompanies this statement.

☐ **Certification Under 37 CFR § 1.97(e)**

- ☐ Each item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement; or
- ☐ No item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the statement after making reasonable inquiry, no item of information contained in this statement was known to any individual designated in § 1.56(c) more than three months prior to the filing of this statement.

Provision of Copies of References

☐ Copies of cited references which are U.S. Patents or U.S. Patent Application Publications are not required for this application, which has a filing date after June 30, 2003 (1276 OG 55, 5 August 2003).

☐ A copy of each of the references listed on the attached Form PTO-1449 is enclosed herewith and forms a part hereof.

☐ Partial Translations of References are enclosed herewith and form a part hereof.

☐ A copy of the European Search Report from a corresponding or related EPO application is enclosed herewith.

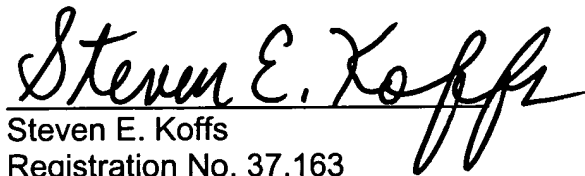
- [] A copy of the International Search Report from a corresponding or related PCT application is enclosed herewith.

Identification of Prior Application(s) In Which Listed Information Was Already Cited And For Which No Copies Are Submitted Or Need Be Submitted

- [X] This application relies, under 35 U.S.C. § 120, on the earlier filing date of prior U.S. Application No(s). 09/086,821. The following references were submitted to, and/or cited by, the Office in the prior application(s) and therefore are not required to be provided in this application:
- [X] The Commissioner is hereby authorized to charge any fees associated with this communication or credit any overpayment to Deposit Account No. 04-1679. A duplicate copy of this transmittal is attached.

Respectfully submitted,

DATE: 3-21-05


Steven E. Koffs
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet 1

of 4

Complete if Known

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Art Unit	2157
Examiner Name	Abdullahi Elmi Salad
Attorney Docket Number	ATV-005 (E0243-00014)

U. S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
		US- 5,367,698	11-22-1994	Webber et al.	
		US- 5,418,945	05-23-1995	Carter et al.	
		US- 5,434,994	07-18-1995	Shaheen et al.	
		US- 5,440,739	08-08-1995	Beck et al.	
		US- 5,586,322	12-17-1996	Beck et al.	
		US- 5,611,049	03-11-1997	Pitts	
		US- 5,630,116	05-13-1997	Takaya et al.	
		US- 5,689,642	11-18-1997	Harkins et al.	
		US- 5,694,546	12-02-1997	Reisman	
		US- 5,729,735	03-17-1998	Meyering	
		US- 5,765,171 A	06-09-1998	Gehani et al.	
		US- 5,812,793	09-22-1998	Shakib et al.	
		US- 5,832,511	11-03-1998	Beck et al.	
		US- 5,862,335	01-19-1999	Welch, Jr. et al.	
		US- 5,884,324	03-16-1999	Cheng et al.	
		US- 5,892,908 A	04-06-1999	Hughes et al.	
		US- 5,892,914	04-06-1999	Pitts	
		US- 5,924,096	07-13-1999	Draper et al.	
		US- 5,978,802	11-02-1999	Hurvig	

FOREIGN PATENT DOCUMENTS

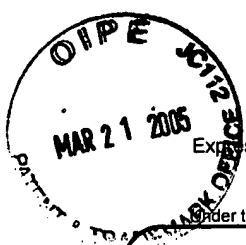
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
		GB 2,327,783 A	02-03-1999	Int'l Business Machines		
		JP 10224349 (abstract only)	08-21-1998	Hitachi Ltd.		
		JP 11238036 (abstract only)	08-31-1999	Nec. Corp.		
		JP 11327964 (abstract only)	11-30-1999	Toshiba Tec. Corp.		
		WO 98/54631 A	12-03-1998	Merrill Lynch & Co., Inc.		

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Considered

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Sheet 2

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Examiner Name	Abdullahi Elmi Salad
Attorney Docket Number	ATV-005 (E0243-00014)

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		US- 5,978,805 A	11-02-1999	Carson	
		US- 5,987,476	11-16-1999	Imai et al.	
		US- 5,991,798	11-23-1999	Ozaki et al.	
		US- 6,016,496	01-18-2000	Roberson	
		US- 6,026,452	02-15-2000	Pitts	
		US- 6,029,175 A	02-22-2000	Chow et al.	
		US- 6,044,381 A	03-28-2000	Boothby et al.	
		US- 6,061,683	05-09-2000	Alonso	
		US- 6,061,740	05-09-2000	Ferguson et al.	
		US- 6,085,234	07-04-2000	Pitts et al.	
		US- 6,088,721	07-11-2000	Lin et al.	
		US- 6,108,300	08-22-2000	Coile et al.	
		US- 6,167,567 A	12-26-2000	Chiles et al.	
		US- 6,169,794 B1	01-02-2001	Oshimi et al.	
		US- 6,189,043 B1	02-13-2001	Buyukkoc et al.	
		US- 6,202,085 B1	03-13-2001	Benson et al.	
		US- 6,223,187 B1	04-24-2001	Boothby et al.	
		US- 6,243,715 B1	06-05-2001	Bogantz et al.	
		US- 6,256,675 B1	07-03-2001	Rabinovich	

FOREIGN PATENT DOCUMENTS

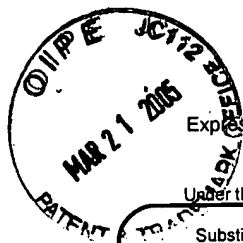
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		US- 6,272,593 B1	08-07-2001	Dujari	
		US- 6,279,001 B1	08-21-2001	DeBettencourt et al.	
		US- 6,304,881 B1	10-16-2001	Halim et al.	
		US- 6,314,463 B1	11-06-2001	Abbott et al.	
		US- 6,317,754 B1	11-13-2001	Peng	
		US- 6,317,768 B1	11-13-2001	Yamane et al.	
		US- 6,330,568 B1	12-11-2001	Boothby et al.	
		US- 6,339,785 B1	01-15-2002	Feigenbaum	
		US- 6,381,242 B1	04-30-2002	Maher, III et al.	
		US- 6,385,626 B1	05-07-2002	Tamer et al.	
		US- 6,405,252 B1	06-11-2002	Gupta et al.	
		US- 6,424,966 B1	07-23-2002	Meyerzon et al.	
		US- 6,446,088 B1	09-03-2002	Vaduvur et al.	
		US- 6,477,522 B1	11-05-2002	Young	
		US- 6,484,204 B1	11-19-2002	Rabinovich	
		US- 6,519,626 B1	02-11-2003	Soderberg et al.	
		US- 6,631,395 B1	10-07-2003	Chessell	
		US- 6,678,717 B1	01-13-2004	Schneider	
		US-			

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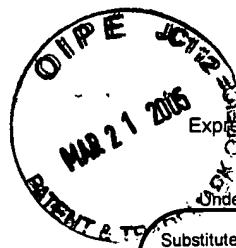
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Sheet 4

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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		BECKETT D., "Combined Log System", Computer Networks and ISDN Systems, North Holland Publishing, Vol. 27, No. 11, April 1, 1995, pages 1089-1096, www.cs.kent.ac.uk/pubs/1995/155	
		DIAS D.M. et al., "A Scalable and Highly Available Web Server" Digest of Papers of the Computer Society Computer Science Conference Compcon, US, Los Alamitos, IEEE Comp. Soc. Press, Vol. Conf. 41, 1996, pp. 85-92, XP000628467 ISBN: 0-8186-7414-8 the whole document	
		LAMM S.E. et al., "Real-Time Geographic Visualization of World Wide Web Traffic", Computer Networks and ISDN Systems, North Holland Publishing, Vol., 28, No. 11, May 1, 1996, pp. 1457-1468	
		Patent Cooperation Treaty, Notification of Transmittal of the International Search Report or the Declaration, International Application No. PCT/US00/42745, mailed on 23 October 2001, 8 pages	
		Patent Cooperation Treaty, Written Opinion, International Application No. PCT/US00/01837, mailed on 30 October 2000, 9 pages	
		Patent Cooperation Treaty, Written Opinion, International Application No. PCT/US00/01897, mailed on 25 October 2000, 8 pages	

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